

**SECTION I: GENERAL
INFORMATION**CR-ERNS Number: 826310
711387

Date of Initial Release: Ongoing

Date of Initial Call to NRC: 02-12-2007

Type of Report: Indicate below the type of report you are submitting.

☐ Initial Written Notification ☒ First Anniversary Follow-up Report ☐ Written Notification of a Change to Initial Notification ☒ Written Notification of a Change to Follow-up Report

Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge.

James Dodson, Plant Manager

February 6, 2008
DateJames Dodson
Signature**Part A. Facility or Vessel Information**

Name of Facility or Vessel

Hennepin Power Station

Person
in Charge
of Facility
or Vessel

Name of Person in Charge

James Dodson

Position

Plant Manager

Telephone No. (815)

339-9212

Alternate Telephone No. (815)

339-9218

Facility
Address or
Vessel
Port of
Registration

Street

Rural Route #1, Power Plant Road;
Approx. 3 miles NE of Hennepin, IL

County

Putnam

City

Hennepin

State

IL

Zip Code

61327-9737

Dun and Bradstreet Number for Facility

804405074

Facility/Vessel
Location

Latitude

Deg 41

Min 18

Sec 13

Longitude

Deg 89

Min 18

Sec 90

Vessel LORAN Coordinates

Part B. Population InformationPopulation
Density

Choose the range that describes the population density within a one-mile radius of your facility or vessel (Indicate by placing an "X" in the appropriate blank below).

0 - 50 persons

101 - 500 persons

more than 1000 persons

X 51 - 100 persons

501 - 1000 persons

Sensitive
Populations
and
Ecosystems
Within One
Mile RadiusSensitive Populations or Ecosystems
(e.g., schools, hospitals, wetlands, wildlife preserves, etc.)Donnelly State Fish and Wildlife Area
Lake DePue State Fish & Wildlife Area

Distance and direction from facility

0.9 miles west from facility.
0.7 miles north from facility.

**SECTION II: SOURCE
INFORMATION**

CR-ERNS Number: 826310

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source:

Hennepin Power Station

UNIT'S #1 & 2 BULK STORAGE

1. Indicate whether the release from this source is either:

continuous without interruption ☒ OR routine, anticipated, intermittent ☐

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

Hennepin generates electricity by the combustion of sub-bituminous coal in Units 1 and 2.

3. Identify below how you established the pattern of release and calculated release estimates.

☒ Past release data ☐ Knowledge of the facility/vessel's operations and release history ☐ Engineering estimate

☒ AP-42 ☐ Best professional judgment ☐ Other (explain)

* Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

**SECTION II: SOURCE
INFORMATION
(continued)**

CR-ERNS Number: 826310

Name of Source: Hennepin Power Station - Units 1-2

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to **EACH** medium as a separate source and complete Section II, Parts A, B, and C, of this format for **EACH** medium affected.

☒ **AIR** ☒ (stack ☒ or area ☐) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a **stack**, indicate stack height: 277 ft. feet or meters; **OR**
- If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: square feet or square meters.

☒ **SURFACE WATER** (stream , lake , or other)

- If the release affects any **surface water body**, give the name of the water body.
- If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.
stream order: or average flow rate: cubic feet/second; **OR**
- If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.
surface area of lake: acres and average depth of lake: meters.

☒ **SOIL OR GROUND WATER**

If the release is on or under ground, indicate the distance to the closest water well.

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

For a stack release to air, provide the following information, if available:

Inside diameter 14.5 ft. feet or meters

Gas Exit Velocity feet/second or
meters/second

Gas Temperature 326 F degrees Fahrenheit,
Kelvin, or Celsius

For a release to surface water, provide the following information, if available:

Average Velocity feet/second
of Surface Water

SECTION II: SOURCE INFORMATION (continued)

826310

CR-ERNS Number:

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source:

Hennepin Power Station - Units 1-2

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. or kg per day)*	Upper Bound	Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. or kg)*	Months of the Release
Barium <i>what?</i>	7440-39-3	17 lbs.	0		348 days	4859 lbs.	Jan. thru Dec.

(what about HFP?)

not entered to data base

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance Components	CASRN#	Normal Range of Components (in lbs. or kg per day)*		Normal Range of Mixture (in lbs. or kg per day)*		Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release
		Weight Percentage	Upper Bound	Lower Bound	Upper Bound			

Name of Mixture

Not Applicable

* Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (Ci) are appropriate.

**SECTION III: SUBSTANCE
INFORMATION**

CR-ERNS Number: 826310

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance:

Barium CAS # 7440-39-3

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of
the Release (specify lbs., kg, or Ci)

Hennepin Power Station - Unit 1-2

17 lbs

Barium ?

TOTAL - SSI trigger for this hazardous substance release* : 17 lbs

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

**SECTION I: GENERAL
INFORMATION****CR-ERNS Number:** 826310**Date of Initial Release:** Ongoing**Date of Initial Call to NRC:** 02-12-2007**Type of Report:** Indicate below the type of report you are submitting.

☒ Initial Written Notification ☐ First Anniversary
☐ Follow-up Report ☐ Written Notification
of a Change to Initial Notification ☐ Written Notification
of a Change to Follow-up Report

Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge.

James Dodson, Plant Manager

Name and Position

3/8/2007

Date

Signature

Part A. Facility or Vessel Information**Name of Facility or Vessel**

Hennepin Power Station

**Person
in Charge
of Facility
or Vessel**

Name of Person in Charge

James Dodson

Position

Plant Manager

Telephone No. (815) 339-9212

Alternate Telephone No. (815) 339-9218

**Facility
Address or
Vessel
Port of
Registration**

Street

Rural Route #1, Power Plant Road;
Approx. 3 miles NE of Hennepin, IL

County

Putnam

City

Hennepin

State

IL

Zip Code

61327-9737

Dun and Bradstreet Number for Facility

804405074

**Facility/Vessel
Location**

Latitude

Deg

41

Min

18

Sec

13

Longitude

Deg

89

Min

18

Sec

90

Vessel LORAN Coordinates**Part B. Population Information****Population
Density**

Choose the range that describes the population density within a one-mile radius of your facility or vessel (Indicate by placing an "X" in the appropriate blank below).

0 - 50 persons

101 - 500 persons

more than 1000 persons

☒ 51 - 100 persons

501 - 1000 persons

**Sensitive
Populations
and
Ecosystems
Within One
Mile Radius**Sensitive Populations or Ecosystems
(e.g., schools, hospitals, wetlands, wildlife preserves, etc.)

Distance and direction from facility

Donnelly State Fish and Wildlife Area
Lake DePue State Fish & Wildlife Area0.9 miles west from facility.
0.7 miles north from facility.

**SECTION II: SOURCE
INFORMATION**

CR-ERNS Number: 826310

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Units 1 & 2 Hennepin Power Station

1. Indicate whether the release from this source is either:

continuous without interruption X **OR** routine, anticipated, intermittent .

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

Hennepin generates electricity by the combustion of sub-bituminous coal in Units 1 and 2.

3. Identify below how you established the pattern of release and calculated release estimates.

<u> X </u> Past release data	<u> </u> Knowledge of the facility/vessel's operations and release history	<u> </u> Engineering estimate
<u> X </u> AP-42	<u> </u> Best professional judgment	<u> </u> Other (explain)

* Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

**SECTION II: SOURCE
INFORMATION
(continued)**

CR-ERNS Number: 826310

Name of Source: Hennepin Power Station - Units 1-2

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to **EACH** medium as a separate source and complete Section II, Parts A, B, and C, of this format for **EACH** medium affected.

☒ **AIR** ☒ (stack ☒ or area ☐) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

If identified source is a **stack**, indicate stack height: 277 ft. feet or meters; **OR**

If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: _____ square feet or square meters.

☒ **SURFACE WATER** _____ (stream _____, lake _____, or other _____)

If the release affects any **surface water body**, give the name of the water body.

If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.
stream order: _____ or average flow rate: _____ cubic feet/second; **OR**

If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.
surface area of lake: _____ acres and average depth of lake: _____ meters.

☒ **SOIL OR GROUND WATER** _____

If the release is on or under ground, indicate the distance to the closest water well.

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

For a stack release to air, provide the following information, if available:

Inside diameter 14.5 ft. feet or meters

Gas Exit Velocity _____ feet/second or
meters/second

Gas Temperature 326 F degrees Fahrenheit,
Kelvin, or Celsius

For a release to surface water, provide the following information, if available:

Average Velocity _____ feet/second
of Surface Water

SECTION II: SOURCE INFORMATION (continued)

826310

CR-ERNS Number:

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a *SEPARATE* sheet for *EACH* source. Photocopy this page if necessary.

Name of Source:

Hennepin Power Station - Units 1-2

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Upper Bound (in lbs. or kg per day)*	Normal Range (in lbs. or kg per day)*	Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. or kg)*	Months of the Release
Barium	7440-39-3	18 lbs.	0		349 days	4986 lbs.	Jan. thru Dec.

*Not included in ERNS No 826310
did not add to
D. L. K. Power*

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)*	Upper Bound	Lower Bound	Normal Range of Mixture (in lbs. or kg per day)*	Upper Bound	Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release
Name of Mixture											

Not Applicable

* Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (Ci) are appropriate.

**SECTION III: SUBSTANCE
INFORMATION**

CR-ERNS Number: 826310

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance:

Barium CAS # 7440-39-3

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of
the Release (specify lbs., kg, or Ci)

Hennepin Power Station - Unit 1-2

18 lbs

TOTAL - SSI trigger for this hazardous substance release* : 18 lbs

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION I: GENERAL INFORMATION**CR-ERNS Number:**

711387

Date of Initial Release: Ongoing**Date of Initial Call to NRC:** 01-23-2004**Type of Report:** Indicate below the type of report you are submitting.☐

Initial Written Notification

☐First Anniversary
Follow-up
Report☐Written Notification
of a Change to
Initial Notification☒Written Notification
of a Change to
Follow-up Report

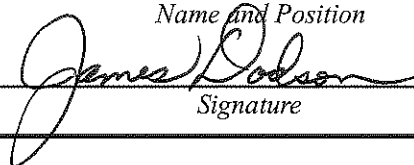
Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge.

James Dodson, Plant Manager

Name and Position

2/28/2006

Date



Signature

Part A. Facility or Vessel Information**Name of Facility or Vessel**

Hennepin Power Station

Person in Charge of Facility or Vessel

Name of Person in Charge

James Dodson

Position

Plant Manager

Telephone No. (815)

339-9212

Alternate Telephone No. (815)

339-9218

Facility Address or Vessel Port of Registration

Street

Rural Route #1, Power Plant Road;
Approx. 3 miles NE of Hennepin, IL

County

Putnam

City

Hennepin

State

IL

Zip Code

61327-9737

Dun and Bradstreet Number for Facility

804405074

Facility/Vessel Location

Latitude

Deg

41

Min

18

Sec

13

Longitude

Deg

89

Min

18

Sec

90

Vessel LORAN Coordinates**Part B. Population Information****Population Density**

Choose the range that describes the population density within a one-mile radius of your facility or vessel (Indicate by placing an "X" in the appropriate blank below).

___ 0 - 50 persons

___ 101 - 500 persons

___ more than 1000 persons

☒ 51 - 100 persons

___ 501 - 1000 persons

Sensitive Populations and Ecosystems Within One Mile RadiusSensitive Populations or Ecosystems
(e.g., schools, hospitals, wetlands, wildlife preserves, etc.)

Distance and direction from facility

Donnelly State Fish and Wildlife Area
Lake DePue State Fish & Wildlife Area0.9 miles west from facility.
0.7 miles north from facility.

**SECTION II: SOURCE
INFORMATION**

CR-ERNS Number: 711387

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source:

Hennepin Power Station

1. Indicate whether the release from this source is either:

continuous without interruption ☒ **OR** routine, anticipated, intermittent ☐

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

Hennepin generates electricity by the combustion of sub-bituminous coal in Units 1 and 2.

3. Identify below how you established the pattern of release and calculated release estimates.

☒ Past release data ☐ Knowledge of the facility/vessel's operations and release history ☐ Engineering estimate

☒ AP-42 ☐ Best professional judgment ☐ Other (explain)

* Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

**SECTION II: SOURCE
INFORMATION
(continued)**

CR-ERNS Number: 711387

Name of Source: Hennepin Power Station - Units 1-2

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to **EACH** medium as a separate source and complete Section II, Parts A, B, and C, of this format for **EACH** medium affected.

☒ **AIR** ☒ (stack ☒ or area ☐) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a **stack**, indicate stack height: 277 ft. feet or meters; **OR**
- If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: square feet or square meters.

☒ **SURFACE WATER** ☐ (stream ☐ , lake ☐ , or other ☐)

- If the release affects any **surface water body**, give the name of the water body.
- If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.
stream order: or average flow rate: cubic feet/second; **OR**
- If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.
surface area of lake: acres and average depth of lake: meters.

☒ **SOIL OR GROUND WATER** ☐

If the release is on or under ground, indicate the distance to the closest water well.

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

For a stack release to air, provide the following information, if available:

Inside diameter 14.5 ft. feet or meters

Gas Exit Velocity feet/second or
meters/second

Gas Temperature 326 F degrees Fahrenheit,
Kelvin, or Celsius

For a release to surface water, provide the following information, if available:

Average Velocity feet/second
of Surface Water

SECTION II: SOURCE INFORMATION
(continued)

CR-ERNS Number:

711387

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source:

Hennepin Power Station - Units 1-2

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. or kg per day)*		Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. or kg)*	Months of the Release
		Upper Bound	Lower Bound			
Hydrogen Fluoride	7664-39-3	276 lbs.	0	364 days	78029 lbs.	Jan. thru Dec.

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance Components	CASRN#	Normal Range of Components (in lbs. or kg per day)*		Normal Range of Mixture (in lbs. or kg per day)*		Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release	
		Weight Percentage	Upper Bound	Lower Bound	Upper Bound			Lower Bound
Name of Mixture								

Not Applicable

* Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (Ci) are appropriate.

**SECTION III: SUBSTANCE
INFORMATION**

CR-ERNS Number: 711387

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Hydrogen Fluoride CAS # 7664-39-3

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of
the Release (specify lbs., kg, or Ci)

Hennepin Power Station - Unit 1-2

276 lbs

TOTAL - SSI trigger for this hazardous substance release* : 276 lbs

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

**SECTION I: GENERAL
INFORMATION****CR-ERNS Number:** 711387**Date of Initial Release:** Ongoing**Date of Initial Call to NRC:** 01-23-2004**Type of Report:** Indicate below the type of report you are submitting.

☐ Initial Written Notification ☒ First Anniversary Follow-up Report ☐ Written Notification of a Change to Initial Notification ☐ Written Notification of a Change to Follow-up Report

Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge.

Keith A. McFarland, Vice President

Name and Position

2/23/2005

Date

Signature

Part A. Facility or Vessel Information**Name of Facility or Vessel**

Hennepin Power Station

**Person
in Charge
of Facility
or Vessel**

Name of Person in Charge

James Dodson

Position

Plant Manager

Telephone No. (815)

339-9212

Alternate Telephone No. (815)

339-9218

**Facility
Address or
Vessel
Port of
Registration**

Street

Rural Route #1, Power Plant Road;
Approx. 3 miles NE of Hennepin, IL

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Putnam

City

Hennepin

State

IL

Zip Code

61327-9737

Dun and Bradstreet Number for Facility

804405074

**Facility/Vessel
Location**

Latitude

Deg

41

Min

18

Sec

13

Longitude

Deg

89

Min

18

Sec

90

Vessel LORAN Coordinates**Part B. Population Information****Population
Density**

Choose the range that describes the population density within a one-mile radius of your facility or vessel (Indicate by placing an "X" in the appropriate blank below).

☐ 0 - 50 persons☐ 101 - 500 persons☐ more than 1000 persons☒ 51 - 100 persons☐ 501 - 1000 persons**Sensitive
Populations
and
Ecosystems
Within One
Mile Radius**Sensitive Populations or Ecosystems
(e.g., schools, hospitals, wetlands, wildlife preserves, etc.)Donnelly State Fish and Wildlife Area
Lake DePue State Fish & Wildlife Area

Distance and direction from facility

0.9 miles west from facility.
0.7 miles north from facility.

**SECTION II: SOURCE
INFORMATION**

CR-ERNS Number: 711387

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source:

Hennepin Power Station

1. Indicate whether the release from this source is either:

continuous without interruption ☒ **OR** routine, anticipated, intermittent ☐

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

Hennepin generates electricity by the combustion of sub-bituminous coal in Units 1 and 2.

3. Identify below how you established the pattern of release and calculated release estimates.

<input checked="" type="checkbox"/> Past release data	<input type="checkbox"/> Knowledge of the facility/vessel's operations and release history	<input type="checkbox"/> Engineering estimate
<input checked="" type="checkbox"/> AP-42	<input type="checkbox"/> Best professional judgment	<input type="checkbox"/> Other (explain)

* Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

SECTION II: SOURCE INFORMATION
(continued)

CR-ERNS Number: 711387

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source:

Hennepin Power Station - Units 1-2

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. or kg per day)*		Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. or kg)*	Months of the Release
		Upper Bound	Lower Bound			
Hydrogen Fluoride	7664-39-3	209 lbs.	0	351 days	51131 lbs.	Jan. thru Dec.

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)*		Normal Range of Mixture (in lbs. or kg per day)*		Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release
			Upper Bound	Lower Bound	Upper Bound	Lower Bound			
Not Applicable									

* Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (Ci) are appropriate.

**SECTION III: SUBSTANCE
INFORMATION**

CR-ERNS Number: 711387

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Hydrogen Fluoride CAS # 7664-39-3

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of
the Release (specify lbs., kg, or Ci)

Hennepin Power Station - Unit 1-2

209 lbs

TOTAL - SSI trigger for this hazardous substance release* : 209 lbs

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

SECTION I: GENERAL INFORMATION

CR-ERNS Number: 711387

Date of Initial Release: Ongoing

Date of Initial Call to NRC: 01-23-2004

Type of Report: Indicate below the type of report you are submitting.

☒ Initial Written Notification ☐ First Anniversary Follow-up Report ☐ Written Notification of a Change to Initial Notification ☐ Written Notification of a Change to Follow-up Report

Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge.

Richard W. Eimer, Jr., Sr. Vice President

11/6/2002

Date

Name and Position



Signature

Part A. Facility or Vessel Information

Name of Facility or Vessel

Hennepin Power Station

Person in Charge of Facility or Vessel

Name of Person in Charge

James Dodson

Position

Plant Manager

Telephone No. (815)

339-9212

Alternate Telephone No. (815)

339-9218

Facility Address or Vessel Port of Registration

Street

R.R.#1, Box 200AA

County

Putnam

City

Hennepin

State

IL

Zip Code

61327-9737

Dun and Bradstreet Number for Facility

804405074

Facility/Vessel Location

Latitude

Deg

41

Min

18

Sec

13

Longitude

Deg

89

Min

18

Sec

90

Vessel LORAN Coordinates**Part B. Population Information****Population Density**

Choose the range that describes the population density within a one-mile radius of your facility or vessel (Indicate by placing an "X" in the appropriate blank below).

___ 0 - 50 persons

___ ☒ 101 - 500 persons

___ more than 1000 persons

___ 51 - 100 persons

___ 501 - 1000 persons

Sensitive Populations and Ecosystems Within One Mile Radius

Sensitive Populations or Ecosystems
(e.g., schools, hospitals, wetlands, wildlife preserves, etc.)

Distance and direction from facility

SECTION I: GENERAL INFORMATION

CR-ERNS Number: 711387

Date of Initial Release: Ongoing

Date of Initial Call to NRC: 01-23-2004

Type of Report: Indicate below the type of report you are submitting.☐

Initial Written Notification

☐

First Anniversary

Follow-up Report

☒Written Notification
of a Change to
Initial Notification☐Written Notification
of a Change to
Follow-up Report**Signed Statement:** I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge.

Richard W. Eimor, Jr., Sr. Vice President

2/6/2004

Date

Richard W. Eimor, Jr.
Signature

Part A. Facility or Vessel Information

Name of Facility or Vessel

Hennepin Power Station

Person
in Charge
of Facility
or Vessel

Name of Person in Charge

James Dodson

Position

Plant Manager

Telephone No. (815)

339-9212

Alternate Telephone No. (815)

339-9218

Facility
Address or
Vessel
Port of
Registration

Street

Rural Route #1, Power Plant Road,
Approx. 3 miles NE of Hennepin, IL

County

Putnam

City

Hennepin

State

IL

Zip Code

61327-9737

Dun and Bradstreet Number for Facility

804405074

Facility/Vessel
Location

Latitude

Deg 41

Min 18

Sec 13

Longitude

Deg 89

Min 18

Sec 90

Vessel LORAN Coordinates

Part B. Population InformationPopulation
Density

Choose the range that describes the population density within a one-mile radius of your facility or vessel (Indicate by placing an "X" in the appropriate blank below).

0 - 50 persons

101 - 500 persons

more than 1000 persons

X 51 - 100 persons

501 - 1000 persons

Sensitive
Populations
and
Ecosystems
Within One
Mile RadiusSensitive Populations or Ecosystems
(e.g., schools, hospitals, wetlands, wildlife preserves, etc.)

Distance and direction from facility

Donnelly State Fish and Wildlife Area
Lake DePue State Fish & Wildlife Area0.9 miles west from facility.
0.7 miles north from facility.

**SECTION II: SOURCE
INFORMATION**

CR-ERNS Number: 711387

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source:

Hennepin Power Station *Stack*

1. Indicate whether the release from this source is either:

continuous without interruption ☒ **OR** routine, anticipated, intermittent _____.

2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*

Hennepin generates electricity by the combustion of sub-bituminous coal in Units 1 and 2.

3. Identify below how you established the pattern of release and calculated release estimates.

☒ Past release data _____ Knowledge of the facility/vessel's operations and release history _____ Engineering estimate

☒ AP-42 _____ Best professional judgment _____ Other (explain)

** Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.*

**SECTION II: SOURCE
INFORMATION
(continued)**

CR-ERNS Number: 711387

Name of Source: Hennepin Power Station - Units 1-2

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to **EACH** medium as a separate source and complete Section II, Parts A, B, and C, of this format for **EACH** medium affected.

☒ **AIR** x (stack ____ or area ____) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

- If identified source is a **stack**, indicate stack height: 277 ft. feet or meters; **OR**
- If identified source is an **area source** (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: ____ square feet or square meters.

☐ **SURFACE WATER** ____ (stream ____, lake ____, or other ____)

- If the release affects any **surface water body**, give the name of the water body.

- If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.
stream order: ____ or average flow rate: ____ cubic feet/second; **OR**
- If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters.
surface area of lake: ____ acres and average depth of lake: ____ meters.

☐ **SOIL OR GROUND WATER** ____

If the release is on or under ground, indicate the distance to the closest water well.

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. **If this information is not provided, EPA will make conservative assumptions about the appropriate values.** Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

• For a stack release to air, provide the following information, if available:

Inside diameter 14.5 ft. feet or meters

Gas Exit Velocity ____ feet/second or
meters/second

Gas Temperature 326 F degrees Fahrenheit,
Kelvin, or Celsius

• For a release to surface water, provide the following information, if available:

Average Velocity ____ feet/second
of Surface Water

SECTION II: SOURCE INFORMATION
(continued)

711387

CR-ERNS Number:

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source:

Hennepin Power Station - Units 1-2

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs. or kg per day)* Upper Bound Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. or kg)*	Months of the Release
Hydrogen Fluoride	7664-39-3	206 lbs. 0	360 days	58,353 lbs.	Jan. thru Dec.

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance Components	CASRN#	Weight Percentage	Normal Range of Components (in lbs. or kg per day)* Upper Bound Lower Bound	Normal Range of Mixture (in lbs. or kg per day)* Upper Bound Lower Bound	Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs. or kg)	Months of the Release
Not Applicable							

* Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (Ci) are appropriate.

**SECTION III: SUBSTANCE
INFORMATION**

CR-ERNS Number: 711387

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Hydrogen Fluoride CAS # 7664-39-3

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of
the Release (specify lbs., kg. or Ci)

Hennepin Power Station - Unit 1-2

206 lbs

TOTAL - SSI trigger for this hazardous substance release* : 206 lbs

** This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.*

22 (111)
Entered to C.R.E.
Crossed file

Dynegy Midwest Generation, Inc.
Continuous Release Reporting
February 2008

Baldwin Energy Complex
CR-ERNS Number - 625807
Units 1, 2, and 3 – individual stacks

Chemicals Reported	Change in Upper Bounds
Hydrogen Fluoride	No Change
Mercury	No Change
Arsenic	No Change

Baldwin Energy Complex
CR-ERNS Number – 625807
Units 1 and 2 (Unit 3 has no SCR – no ammonia released)

Chemicals Reported	Change in Upper Bounds
Ammonia	Initially reported in 2007 and updated in 2008

Havana Power Station
CR-ERNS Number – 625810
Unit 6

Chemicals Reported	Change in Upper Bounds
Hydrogen Fluoride	No Change
Ammonia	Initially reported in 2007 and updated in 2008

Hennepin Power Station
CR-ERNS Number – 711387
Units 1 and 2 – One Common Stack

Chemicals Reported	Change in Upper Bounds
Hydrogen Fluoride	No Change

Vermilion Power Station
CR-ERNS Number – 625811
Units 1 and 2 – One Common Stack

Chemicals Reported	Change in Upper Bounds
Hydrochloric Acid (aerosol)	No Change
Hydrogen Fluoride	No Change

Wood River Power Station
CR-ERNS Number – 625812
Units 4 and 5 – Separate Stacks

Chemicals Reported	Change in Upper Bounds
Hydrogen Fluoride	No Change